

a plurality of user interface components;

a document viewer that is a component of an application program, said document viewer being used to display a document or to modify a document within the application program;

a user interface requirements specification referencing at least one of said plurality of user interface components; and

a renderer to render a graphical user interface for the document viewer according to the user interface requirements specification.

Sub
C2
10. (New) The system of claim 9 further comprising a workflow manager for registering user interface components associated with said user interface requirements specification.

11. (New) The system of claim 9 wherein at least one of said plurality of user interface components is a button.

12. (New) The system of claim 9 wherein at least one of said plurality of user interface components is a slider.

13. (New) The system of claim 9 wherein at least one of said plurality of user interface components is an edit box.

14. (New) The system of claim 9 wherein at least one of said plurality of user interface components is implemented as an ActiveX control.

15. (New) The system of claim 9 wherein at least one of said plurality of user interface components is implemented as a Java applet.

16. (New) The system of claim 9 wherein at least one of said plurality of user interface components is implemented using Javascript.

17. (New) The system of claim 9 wherein said document viewer is implemented as a COM object.

18. (New) The system of claim 9 wherein said document viewer is implemented as a DCOM object.

19. (New) The system of claim 9 wherein said document viewer is implemented as a CORBA object.

20. (New) The system of claim 9 wherein said renderer is a DHTML browser.

Sub 1
21. (New) A method for providing a graphical user interface for a component based application program, comprising:

providing a user interface requirements specification for a document viewer, the document viewer being a component of an application program and being used to display a document or to modify a document within the application program, and the user interface requirements specification referencing at least one of a plurality of user interface components; and

rendering a graphical user interface for the document viewer according to the user interface requirements specification.

Sub C4
22. (New) The method of claim 21 further comprising registering user interface components associated with the user interface requirements specification, with a workflow manager.

23. (New) The method of claim 22 further comprising:

adding a new user interface requirements specification to the application program; and
registering user interface components associated with the new user interface requirements specification, with the workflow manager.

24. (New) The method of claim 22 further comprising:

providing a modified user interface requirements specification; and
registering user interface components associated with the modified user interface requirements specification, with the workflow manager.

25. (New) The method of claim 21 wherein at least one of the plurality of user interface components is a button.
26. (New) The method of claim 21 wherein at least one of the plurality of user interface components is a slider.
27. (New) The method of claim 21 wherein at least one of the plurality of user interface components is an edit box
28. (New) The method of claim 21 wherein at least one of the plurality of user interface components is implemented as an ActiveX control.
29. (New) The method of claim 21 wherein at least one of the plurality of user interface components is implemented as a Java applet.
30. (New) The method of claim 21 wherein at least one of the plurality of user interface components is implemented using Javascript.
31. (New) The method of claim 21 wherein the document viewer is implemented as a COM object.
32. (New) The method of claim 21 wherein the document viewer is implemented as a DCOM object.
33. (New) The method of claim 21 wherein the document viewer is implemented as a CORBA object.
34. (New) The method of claim 21 wherein said rendering is performed by a DHTML browser.